

STATE OF COLORADO

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HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION

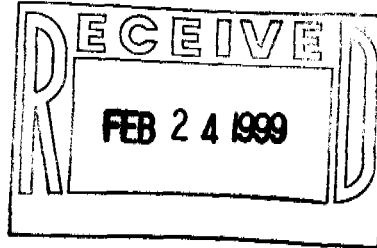
<http://www.cdphs.state.co.us/hm/>

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Colorado Department
of Public Health
and Environment



February 12, 1999

Ted Hopkins

Rocky Mountain Remediation Services, L.L.C.
Rocky Flats Environmental Technology Site
P.O. Box 464
Golden, CO 80402-0464

**RE: Close-Out of the January 6, 1999 Inspection of Building 776/777
EPA Identification Number C07890011526**

Dear Mr. Hopkins:

On January 6, 1999, inspectors from the Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the "Division"), conducted a compliance evaluation inspection of hazardous waste management units located within Building 776/777. The Division has received and reviewed your response to the referenced inspection dated February 8, 1999. Based upon our review of your response, the Division is requesting additional information regarding characterization of the treatability study test materials that were located in a cargo container to the south of Building 701.

At the time of the inspection, Division inspectors requested information to support a non-hazardous waste determination for the above wastes. Because the information provided at the time of the inspection was not sufficient to make a hazardous waste determination, Division inspectors requested RMRS to provide additional information that would verify the non-hazardous waste determination for these wastes. The information provided in your response does not adequately address the concern at hand. Therefore, the Division is requesting RMRS to provide existing analytical data to verify the hazardous waste determination for all items specified on the notice of inspection (NOI). If analytical data is not available and the determination was made based upon process knowledge then RMRS must provide a list of the ingredients in the surrogate test materials and any other information describing the composition of the materials. Such information must be sufficient to adequately characterize each of the items specified on the NOI.

As you know, a permitted facility is required by 6 CCR 1007-3, Section 264.73 to maintain all records and results of waste analyses and waste determinations. Therefore, the above requested information should already be part of the RFETS' operating record and should not present an undue burden to produce such information.

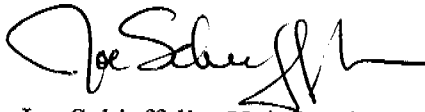
ADMIN RECORD

B776-A-00096

1/8

Please contact Ed Smith of my staff at (303) 692-3386 if you have any questions regarding this memorandum or the close-out of the inspection.

Sincerely,



Joe Schieffelin, Unit Leader
Federal Facilities Permitting and Compliance
Hazardous Materials & Waste Management Division

cc: Janice Pearson, EPA
James Hindman, CDPHE
Cindy Burbach, CDPHE
Bob April, DOE
Dorothy Newell, DOE
Karan North, K-H
Bob Cathel, RMRS



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EPA I.D. #CO7890010526

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION

HAZARDOUS WASTE INSPECTION REPORT

DATE OF INSPECTION: January 6 and 7, 1999

FACILITY: Rocky Flats Environmental Technology Site - US DOE,
Building 776/777

LOCATION: 16 miles NW of Denver
Golden, CO 80402

FACILITY REP: Jeff Vanmeighem, RMRS

TELEPHONE: 303 966-5810

TELEFAX:

NOTIFICATION STATUS: Large Quantity Generator
Land Disposal Facility

TYPE OF INSPECTION: Compliance Evaluation Partial

PARTICIPANTS: James Hindman, CDPHE
Nancy Newell, CDPHE
Edward Smith, CDPHE
Bob Cathel, KH
Bob McDonald, RMRS

WEATHER CONDITIONS: Cold and sunny

TIME IN: 8:30 am on January 6, 1996
8:30 am on January 7, 1999

TIME OUT: 3:30 pm on January 6, 1999
11:30 am on January 7, 1999

**US DOE - Rocky Flats Environmental Technology Site
Building 776/777**

--- INTRODUCTION ---

At approximately 8:30 am on the morning of January 6, 1999 inspectors James Hindman, Nancy Newell, and Edward Smith from the Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division) arrived at the Rocky Flats Environmental Technology Site (RFETS) to conduct a partial compliance evaluation inspection of Building 776/777. Division inspectors met with Mr. Jeff Vanmeighem (RMRS), Mr. Bob McDonald (RMRS), Celia Moynihan (RMRS), and Don Brown (RMRS) to conduct an opening conference.

During the opening conference, facility representatives indicated that there are a number of activities currently underway within the building. For example, idle equipment containing hazardous waste, such as gloveboxes holding lathes, are being drained. The removal of hazardous waste from certain pieces of idle equipment was deferred until the beginning of D&D via the Idle Equipment Order 97-08-21-01. Additionally, facility representatives indicated that dry repack of certain residues, head space sampling and bringing tanks T1 and T2 to a RCRA stable configuration are ongoing activities.

Historically, Building 776 was the main manufacturing facility for plutonium weapons components and housed a plutonium foundry and fabrication operations. These activities continued until a major fire occurred in 1969. As a result of the 1969 fire, those operations were transferred to Building 707. Building 777 has historically been used for the assembly of parts. Both buildings now serve primarily as waste management facilities.

--- OPERATIONS INSPECTED ---

Accompanied by facility representatives, Division inspectors observed the major portions of Building 776/777, 701, 702, and cargo containers around Building 701 and 702. The Non-Destructive Assay (NDA) Vault was not inspected as part of this inspection due to high radiation concerns. The following is a summary of the areas evaluated where potential issues and/or observations were identified.

- Building 701. Division inspectors observed all areas of Building 701, which has historically been used as a Research, Development, and Demonstration (RD&D) facility. During the previous year's inspection this facility was being used as a staging area for numerous waste chemicals. Facility representatives stated that the chemical roundup for the 776/777 cluster has been completed and the remaining chemicals within Building 701

are not regulated as a hazardous waste. Division inspectors observed that many of the containers in the building were marked with the words "graphite fines". Because the site has identified certain forms of graphite as an ignitable (D001) hazardous waste in other instances, Division inspectors requested a verification that the wastes in question are not regulated as a hazardous waste due to the ignitability of the graphite fines. No other issues were identified as a result of inspecting Building 701.

- Cargo Container #0010375700 Inspection. Division inspectors evaluated the contents of various cargo containers including one cargo container located on the south side of Building 701. Within that cargo container, Division inspectors observed numerous small containers of waste materials associated with the treatability testing that was conducted within Building 701. At least one of the containers was marked as "Unknown". Facility representatives stated that all of the items had been characterized as being non-hazardous. In addition to the treatability study materials, Division inspectors observed at least four samples that were marked as being non-hazardous. Division inspectors indicated that they would like to review an inventory of the materials and any information associated with the initial hazardous waste determination for the items within that cargo container.
- Building 776, Room 150. Room 150 of Building 776 is the chiller and emergency generator room for Building 776/777. Within that building were numerous drums of used oil. Division inspectors observed that all of the drums in that area, which were confirmed by facility representatives to contain used oil, were appropriately labeled with the words "Used Oil".

A 90-day accumulation area identified as Unit 776-2428 was also located within Room 150. The 90-day area was located within a locked flammable cabinet. Upon opening the flammable cabinet, Division inspectors noticed that the containers had been placed at least two deep and were stacked upon one another so that the labels of all containers were not visible. Division inspectors informed facility representatives that when containers are managed within a 90-day accumulation area, the accumulation start date needs to be identified and the date needs to be visible for inspection as required by 6 CCR 1007-3, section 262.34(a)(2).

--- DOCUMENTS REVIEWED ---

Division inspectors reviewed a number of documents as part of this inspection. The documents that were reviewed and any issues associated with that review are discussed in the following paragraphs.

1. Weekly inspection log sheets for the permitted container storage areas and accumulation areas were reviewed. As a result of that evaluation, Division inspectors observed that Drum D07008 and D13676 had been in need of overpack/repack for a period of at least

one year, as stated on the associated inspection log sheets for Room 430, Area 2 and Room 127, respectively. The remedial actions taken in response to these deficiencies were not initiated in a timely manner as required by the RFETS RCRA Part B Permit, Part VII.B.1.

Also, the RFETS RCRA Part B Permit, Part VII.B.2 states that remedial actions taken to remedy deficiencies noted on inspection log sheets will be recorded on the log sheet. Division inspectors could not identify inspection log sheets indicating that the issue of concern had been resolved.

2. Daily inspection log sheets for the permitted storage tanks systems and interim status tank systems were reviewed. No issues were identified as a result of that review.
3. Training and Scheduling Record (TSR) reports were evaluated for personnel involved in hazardous waste management at Building 776/777 and for supervisors of such persons. No issues were identified as a result of that review.
4. An inventory of treatability study materials located within cargo container number 0010375700 was also reviewed. Upon further discussion with facility representatives, it was clear that analytical data for all of the items in question was not readily available. In some cases, the inventory only provided minimal information on the material such as being R&D waste, treatability study ash, or designation required by the generator. The lack of information on the items in question led Division inspectors to request a hazardous waste determination for the samples and waste materials within cargo container number 0010375700.

--- INSPECTION CLOSE-OUT ---

As a result of the inspection, a number of issues were identified and shared with facility representatives during the inspection close-out meeting, which began at approximately 11:00 am on January 7, 1999. The following issues were identified on the Notice of Inspection (NOI) and discussed with facility representatives.

1. The accumulation start dates need to be clearly marked or labeled on each container and also needs to be visible for inspection according to 6 CCR 1007-3, section 262.34(a)(2). This was an issue at the 90-day accumulation area in Room 150 of Building 776 where the container labels were not visible for inspection.
2. Corrective actions taken in response to issues identified on inspection log sheets need to be taken in a timely manner per the RFETS RCRA Part B Permit Part VII.B.1. Two containers were identified as requiring repack/overpack for a period of almost one year (i.e., drum D07008 and D13676).

3. Corrective actions for the two drums identified above did not appear to be recorded on the associated inspection log sheets as required by the RFETS RCRA Part B Permit Part VII.B.2.
4. It appears as though an adequate hazardous waste determination has not been made for the treatability test material that is currently located in a cargo container located to the south of Building 701. Facility representatives were requested to verify the non-hazardous waste determination for the following treatability test materials: #321489, 321378, 19949, 312490, 399062, 401872, 401873, 401874, 414381, 414382, and 414303 through 414390.
5. Facility representatives were requested to provide the rationale for classifying the following sample returns as non-hazardous: #94G0169, 95G01183, 95G0184, and 95G0185. The reason for questioning the designation of these items is that paperwork for the original material for sample 94G0169 indicated that the sample contains barium and the remaining samples were identified as being nitrate salts, which may be regulated as an ignitable waste by being an oxidizer.
6. Facility representatives were requested to verify the non-hazardous waste determination for waste chemicals being accumulated in Building 701. The items in question were identified as containing graphite. The site has, in the past, designated certain forms of graphite as an ignitable hazardous waste, depending upon the mesh size of the graphite.

A written response to the above issues was requested by February 8, 1999. Mr. Jeff Vanmeighem signed the Notice of Inspection (NOI) as the facility representative. Division inspectors left a copy of the NOI with facility representatives and ended the inspection at approximately 11:30 am on January 7, 1999.

--- INSPECTION FINDINGS ---

The following deficiencies were identified as a result of this inspection:

1. Failure to make a hazardous waste determination for treatability study materials located within a cargo container to the south of Building 701.
2. Failure to follow the RFETS RCRA Part B Permit applicable to initiating remedial actions for issues identified on inspection log sheets in a timely manner (Part VII.B.1).
3. Failure to document corrective actions on inspection log sheets per the RFETS RCRA Part B Permit, Part VII.B.2.
4. Failure to maintain containers in Room 150 so that labels and accumulation start dates are visible for inspection per 6 CCR 1007-3, section 262.34(a)(2).

--- SIGNATURE BLOCK ---

Prepared by: Edward Smith Date 1/26/99
Edward Smith

Reviewed by: James A. Hindman Date 1/28/99
James Hindman

Reviewed by: Nancy Newell Date 1/27/99
Nancy Newell

Approved by: Joe Schieffelin Date 2/1/99
Joe Schieffelin

--- ATTACHMENTS ---

1. Notice of Inspection